?

```
S IMAGE OR DIGITAL OR VIDEO OR JPEG
        1948821   IMAGE
        1628266   DIGITAL
         444952   VIDEO
          17524   JPEG
    S27 3588296   IMAGE OR DIGITAL OR VIDEO OR JPEG
?


S S27 OR AUDIO
        3588296   S27
         139725   AUDIO
    S28 3656918   S27 OR AUDIO
?


S S27 AND (COMPRESSION???)
        3588296   S27
         681522   COMPRESSION???
    S29  133681   S27 AND (COMPRESSION???)
?


S S29 NOT PY>=2004
         133681   S29
       10046604   PY>=2004
    S30  110314   S29 NOT PY>=2004
?


S S30 AND ((HIGH OR LOW)(3N) FREQUENCY)
Processing
Processed  10 of  20 files ...
Completed processing all files
         110314   S30
       10540287   HIGH
        6227708   LOW
        3097224   FREQUENCY
         651877   (HIGH OR LOW)(3N)FREQUENCY
    S31    1855   S30 AND ((HIGH OR LOW)(3N) FREQUENCY)
?


S S31 AND COEFFICIENT???
           1855   S31
        1991334   COEFFICIENT???
    S32     530   S31 AND COEFFICIENT???
?


S S31 AND (FILTERING (2N) COEFFICIENT???)
           1855   S31
         337073   FILTERING
        1991334   COEFFICIENT???
            619   FILTERING(2N)COEFFICIENT???
    S33       1   S31 AND (FILTERING (2N) COEFFICIENT???)
?


T S33/FULL/1


   33/9/1      (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
```

?

08354727   INSPEC Abstract Number: B2002-09-6130C-005
   Title: Low **bit-rate time-** frequency□ coding of wideband audio signals□
   Author(s): Umapathy, K.; Krishnan, S.
   Author Affiliation: Dept. of Electr. & Comput. Eng., Ryerson Polytech.
Inst., Toronto, Ont., Canada
   Conference Title: Proceedings of the IASTED International Conference
Signal Processing, Pattern Recognition, and Applications   p.101-6
   Editor(s): Hamza, M.H.
   Publisher: ACTA Press, Anaheim, CA, USA
   Publication Date: 2001 Country of Publication: USA   iv+277 pp.
   ISBN: 0 88986 293 1   Material Identity Number: XX-2001-00839
   Conference Title: Proceedings of Signal Processing, Pattern Recognition
and Applications (SPPRA 2001)
   Conference Sponsor: IASTED
   Conference Date: 3-6 July 2001   Conference Location: Rhodes, Greece
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Theoretical (T); Experimental (X)

   Abstract: Wideband audio signals in **digital** format have a very high
data-rate associated with them. Multimedia applications constantly drive
the need for low bit-rate high quality audio coders for efficient
utilization of channel bandwidth and storage. This paper deals with the
development of such a low-bit rate high quality audio coder where the joint
time-frequency properties of the nonstationary nature of the audio signal
are exploited in creating energy compaction of the signal into fewer
coefficients. A novel method for perceptual **filtering** of decomposition
   coefficients is developed. High **compression** ratios in the range of 7 to
30 were obtained for a set of 8 sample audio files of different
characteristics. (8 Refs)
   Subfile: B
   Descriptors: acoustic signal processing; audio coding; data **compression**
; filtering theory; pattern matching; time-frequency analysis
   Identifiers: wideband audio signals; **digital** signals; data rate;
multimedia applications; low bit-rate audio coders; high quality audio
coder; nonstationary audio signal; energy compaction; perceptual filtering;
decomposition coefficients; **compression** ratios; time-frequency signal
analysis; matching pursuit; Gabor functions; psychoacoustics
   Class Codes: B6130C (Speech and audio coding); B0220 (Mathematical
analysis); B6140B (Filtering methods in signal processing)
?

Welcome to DialogClassic Web(tm)

Dialog level 05.13.02D
Logon file001 05dec06 11:25:26
             *** ANNOUNCEMENTS ***
                    ***
NEW FILES RELEASED
***Engineering Index Backfile (File 988)
***Verdict Market Research (File 769)
***EMCare (File 45)
***Trademarkscan - South Korea (File 655)

RESUMED UPDATING
***File 141, Reader's Guide Abstracts
                    ***
RELOADS COMPLETED
***Files 340, 341 & 942, CLAIMS/U.S. Patents - 2006 reload now online
***Files 173 & 973, Adis Clinical Trials Insight
***File 11, PsycInfo
***File 531, American Business Directory
                    ***
DATABASES REMOVED
***File 196, FINDEX
***File 468, Public Opinion Online (POLL)
Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent
(File 302).
                    ***
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 >>>a specific database by entering HELP NEWS <file number>.<<<
 * * *

File   1:ERIC 1965-2006/Nov
        (c) format only 2006 Dialog
 *File   1: ERIC has been reloaded effective Dec 1, 2006.
Accession numbers have changed.

        Set Items Description
        --- ----- -----------
Cost is in DialUnits
?

B EECOMP
>>>   108 is unauthorized
>>>1 of the specified files is not available
        05dec06 11:26:23 User291903 Session D1.1
            $0.83   0.238 DialUnits File1
     $0.83 Estimated cost File1
     $0.26 INTERNET
     $1.09 Estimated cost this search
     $1.09 Estimated total session cost   0.238 DialUnits

SYSTEM:OS - DIALOG OneSearch
   File   2:INSPEC 1898-2006/Nov W4
        (c) 2006 Institution of Electrical Engineers
   File   6:NTIS 1964-2006/Nov W3
        (c) 2006 NTIS, Intl Cpyrght All Rights Res
   File   8:Ei Compendex(R) 1970-2006/Nov W4

```
                (c) 2006 Elsevier Eng. · Info. Inc.
    *File   8: The file has been reprocessed and accession numbers
have changed. See HELP NEWS988 for details.
    File  25:Weldasearch 1966-2006/Nov
                (c) 2006 TWI Ltd
    File· 34:SciSearch(R) Cited Ref Sci 1990-2006/Nov W4
                (c) 2006 The Thomson Corp
    File  36:MetalBase 1965-20061202
                (c) 2006 The Thomson Corporation
    File .46:Corrosion Abstracts 1966-2006/Nov
                (c) 2006 CSA.
    File  56:Computer and Information Systems Abstracts 1966-2006/Nov
                (c) 2006 CSA.
    File  57:Electronics & Communications Abstracts 1966-2006/Nov
                (c) 2006 CSA.
    File  65:Inside Conferences 1993-2006/Dec 04
                (c) 2006 BLDSC all rts. reserv. ·
    File  92:IHS Intl.Stds.& Specs. 1999/Nov
                (c) 1999 Information Handling Services
    File  94:JICST-EPlus 1985-2006/Aug W3
                (c)2006 Japan Science and Tech Corp(JST)
    File  95:TEME-Technology & Management 1989-2006/Nov W4
                (c) 2006 FIZ TECHNIK
    File  99:Wilson Appl. Sci & Tech Abs 1983-2006/Oct
                (c) 2006 The HW Wilson Co.
    File 103:Energy SciTec 1974-2006/Sep B1
                (c) 2006 Contains copyrighted material
    *File 103: For access restrictions see Help Restrict.
    File 104:AeroBase 1999-2006/Dec
                (c) 2006 Contains copyrighted material
    File 144:Pascal 1973-2006/Nov W1
                (c) 2006 INIST/CNRS
    File 239:Mathsci 1940-2006/Jan
                (c) 2006 American Mathematical Society
    File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
                (c) 2006 The Thomson Corp
    File 647:CMP  Computer Fulltext 1988-2006/Jan W4
                (c) 2006 CMP Media, ·LLC

        Set   Items   Description
        ---   -----   -----------·
?


S PICTURE? ? OR VIDEO? ? OR JPEG???? OR PIXEL? ?
            395044  PICTURE? ?
            450166  VIDEO? ?
             20377  JPEG????
            179672  PIXEL? ·?
        S1  965284  PICTURE? ? OR VIDEO? ? OR JPEG???? OR PIXEL? ?
?


COMPRESSION???? OR TRUNCATION? ? OR STADARD???????? OR LIMIT OR REDUCTION OR REDUCE
>>>Invalid syntax at or near: OMPRESSION????
?


S COMPRESSION???? OR TRUNCATION? ? OR STADARD???????? OR LIMIT OR REDUCTION OR REDUC
Processing
Processed  10 of  20 files ·...
Completed processing all files
            681648  COMPRESSION????
```

```
        55636   TRUNCATION? ?
          142   STADARD????????
      1089170   LIMIT
      2320480   REDUCTION
      1141903   REDUCE
       923836   CUT????
   S2 5802199   COMPRESSION???? OR TRUNCATION? ? OR STADARD???????? OR
                LIMIT OR REDUCTION OR REDUCE OR CUT????
?
```

```
?

S (HIGH OR LOW) (5N) FREQUENCY
Processing
Processed  10 of  20 files ...
Completed processing all files
     10540287   HIGH
      6227708   LOW
      3097224   FREQUENCY
   S3  684441   (HIGH OR LOW) (5N) FREQUENCY
?
```

```
BITS OR BIT OR BYTE OR BYTES OR (BIT (3N) PLANE) OR (BIT (3N) MATRIX)
>>>"ITS" is not a valid category or service name
>>>"OR" is invalid in a filelist.
?
```

```
S BITS OR BIT OR BYTE OR BYTES OR (BIT (3N) PLANE) OR (BIT (3N) MATRIX)
        99298   BITS
       401794   BIT
        18501   BYTE
        18511   BYTES
       401794   BIT
      1163019   PLANE
         1874   BIT(3N)PLANE
       401794   BIT
      1846566   MATRIX
         1178   BIT(3N)MATRIX
   S4  484176   BITS OR BIT OR BYTE OR BYTES OR (BIT (3N) PLANE) OR (BIT
                (3N) MATRIX)
?
```

```
S PIPELINE OR PIPE (2N) LINE OR PREPROCESSING OR PRE (2N) PROCESSING OR PARALLEL OR
       165419   PIPELINE
       397641   PIPE
      2570809   LINE
        27252   PIPE(2N)LINE
        34562   PREPROCESSING
       676275   PRE
      3848033   PROCESSING
```

```
           15608    PRE(2N)PROCESSING
         1335977    PARALLEL
          246673    CONCURRENT????
      S5 1763001    PIPELINE OR PIPE (2N) LINE OR PREPROCESSING OR PRE (2N)
                    PROCESSING OR PARALLEL OR CONCURRENT????
?

S ENCODER? ? OR PROCESSOR? ? OR DECODER? ? OR CPU OR CIRCUIT
           42703    ENCODER? ?
          464319    PROCESSOR? ?
           59383    DECODER? ?
           76745    CPU
         1502995    CIRCUIT
      S6 2049286    ENCODER? ? OR PROCESSOR? ? OR DECODER? ? OR CPU OR
                    CIRCUIT
?

S S1 OR IMAGE? ?
          965284    S1
         2468169    IMAGE? ?
      S7 3051949    S1 OR IMAGE? ?
?

S S6 OR COPROCESSOR? ? OR CO (2N) PROCESSOR? ?
         2049286    S6
            9582    COPROCESSOR? ?
         1947542    CO
          464319    PROCESSOR? ?
            3461    CO(2N)PROCESSOR? ?
      S8 2053021    S6 OR COPROCESSOR? ? OR CO (2N) PROCESSOR? ?
?

S S2 AND S3
         5802199    S2
          684441    S3
      S9   83773    S2 AND S3
?

S S9 AND S7
           83773    S9
         3051949    S7
     S10    6660    S9 AND S7
?

S S10 AND S4
            6660    S10
          484176    S4
     S11     924    S10 AND S4
?

S S11 AND S8
             924    S11
         2053021    S8
     S12     282    S11 AND S8
?


RD S12
>>>Record 647:1016038 incomplete bibliographic data - record retained in RD set
>>>Record 647:632799 incomplete bibliographic data - record retained in RD set
>>>Record 647:590726 incomplete bibliographic data - record retained in RD set
```

```
>>>Record 647:563445 incomplete bibliographic data - record retained in RD set
>>>Record 647:508976 incomplete bibliographic data - record retained in RD set
>>>Record 647:508200 incomplete bibliographic data - record retained in RD set
     S13      174  RD S12   (unique items)
?


S S12 AND S5
             282  S12
         1763001  S5
     S14       64  S12 AND S5
?


RD
>>>Record 647:508200 incomplete bibliographic data - record retained in RD set.
     S15       56  RD   (unique items)
?
```

```
S  S15 NOT PY>=2004
              56    S15
        10046604    PY>=2004
       S16      49  S15 NOT PY>=2004
?
```